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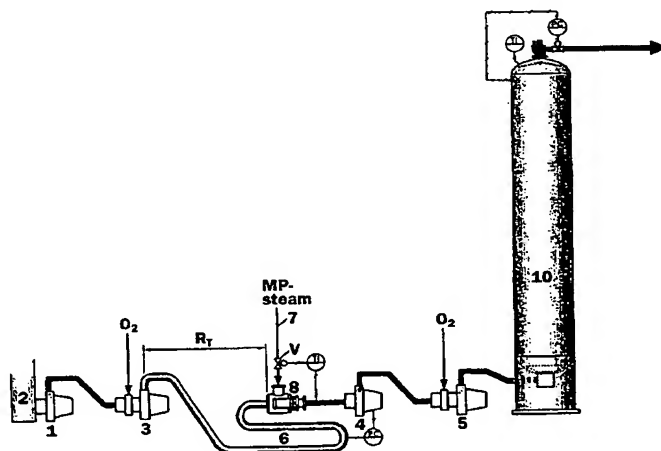
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(54) Title: **SYSTEM FOR THE OXYGEN DELIGNIFICATION OF PULP CONSISTING OF LIGNOCELLULOSE-CONTAINING MATERIAL**



(57) Abstract: The invention relates to a system for the oxygen delignification, in at least two reaction stages, of pulp which consists of lignocellulose-containing material and whose mean concentration is 8-18% pulp consistency. The oxygen delignification takes place in a first reaction stage (6) in which an essentially constant and low pressure prevails during the whole of the delignification process, after which the second delignification stage (10), with a substantially higher pressure and temperature and a longer dwell time, begins. The invention is characterised in that the first reaction stage (6) consists of a pipe loop arranged to lie essentially in the same horizontal plane.

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